

**NON-ENDOGENOUS, CONSTITUTIVELY ACTIVATED
HUMAN SEROTONIN RECEPTORS AND SMALL MOLECULE MODULATORS
THEREOF**

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**GENERATION OF NON-ENDOGENOUS, CONSTITUTIVELY ACTIVATED
HUMAN SEROTONIN RECEPTORS 5-HT2C AND 5-HT2A**

- A. CONSTRUCTION OF CONSTITUTIVELY ACTIVE 5-HT2C RECEPTOR cDNA**
 - 1. ENDOGENOUS HUMAN 5-HT2C**
 - 2. AP-1 cDNA**
- B. CONSTRUCTION OF CONSTITUTIVELY ACTIVE 5-HT2A RECEPTOR cDNA**
 - 1. ENDOGENOUS HUMAN 5-HT2A**

2. HUMAN 5-HT_{2A} (C322K; AP-2)
3. AP-3 cDNA
 - (A) REPLACEMENT OF IC₃ LOOP
 - (B) REPLACEMENT OF CYTOPLASMIC TAIL
4. AP-4 cDNA

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- A. COS-7 AND 293 CELLS
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CONSTITUTIVELY ACTIVATED HUMAN 5HT_{2C} RECEPTOR (AP-

1)

MEDIATED FACILITATION OF GTP γ S BINDING TO COS7

MEMBRANES

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COMPETITION STUDIES: MUTATED HUMAN 5HT_{2C} RECEPTOR

(AP-1)

XII. EXAMPLE 9c(2)

COMPETITION STUDIES: WILD TYPE HUMAN 5HT_{2A}

RECEPTOR

XIII. EXAMPLE 9d

RECEPTOR-MEDIATED INOSITOL PHOSPHATE

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RESULTS

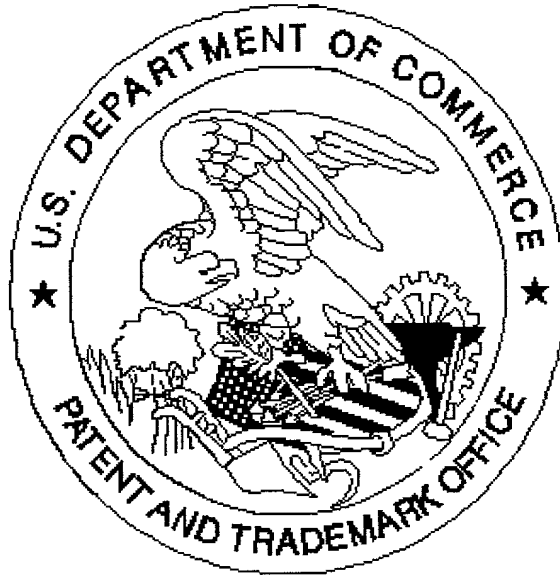
SCREENING CANDIDATE COMPOUNDS

SEQUENCE LISTING

ABSTRACT OF THE DISCLOSURE

FIGURES

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